Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Commander, Navy Region, Mid-Atlantic
Facility Name:	Dam Neck Annex
Facility Location:	Dam Neck Rd., East of General Booth Blvd. Virginia Beach, Virginia 23461-5200
Registration Number:	60280
Permit Number:	TRO-60280

April 28, 2003
Effective Date

April 28, 2008
Expiration Date

_____for_____
Robert G. Burnley, Director
Department of Environmental Quality

April 28, 2003
Signature Date

Table of Contents, 2 pages
Permit Conditions, 32 pages

Table of Contents

I. Facility Information

Permittee
Department of the Navy
Commander Navy Region, Mid-Atlantic
Regional Environmental Group, Suite 211 (Code 970)
9742 Maryland Avenue
Norfolk, Virginia 23511-3095

Responsible Official
Regional Engineer
By direction of;
Commander Navy Region, Mid-Atlantic
(757) 444-3009

Facility
Dam Neck Annex
Dam Neck Road, East of General Booth Blvd.
Virginia Beach, VA 23461-5200

Contact Person
Caren Hendrickson
Air Program Manager
(757) 444-3009 x370

Identification Number: 51-810-00006

Facility Description: SIC Code 9711 – National Security
(Naval military training facility for the Atlantic Fleet)

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	(PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
Boil-529A	stboil-529A	E. Keeler Co. NB5429 (1981)	49 mmBtu/Hr	none	N/A	none	May 19, 1999
Boil-529B	stboil-529B	Nebraska Boiler NSE555 (1988)	71 mmBtu/Hr	none	N/A	none	May 19, 1999
Boil-529C	stboil-529C	Nebraska Boiler NSE555 (1988)	71 mmBtu/Hr	none	N/A	none	May 19, 1999
Boil-442	stboil-442	Kewanee Boiler, H-205KX (1942)	2.6 mmBtu/Hr	none	N/A	none	none
ICGF-355	sticgf-355	Detroit Diesel 572RSL (1992)	600 KW	none	N/A	none	none
ICGF-469D	sticgf-469D	Caterpillar EDG-3508 (2001)	1000 KW	none	N/A	none	none
ICGF-469E	sticgf-469E	Caterpillar EDG-3508 (2001)	1000 KW	none	N/A	none	none
ICGF-529B	sticgf-529B	Caterpillar 3516 engine (1995)	1600 KW	retard timing	N/A	NOx	May 19, 1999
CHMC-GRP1	N/A	Solvent degreaser group	N/A	work practice	N/A	VOC	none
Process A							
GSTA-575	asgsta-575	Navy Exchange Gasoline Station	N/A	Stage 1	N/A	VOC	none
Process B							
WOOD-336	stwood-336	Woodworking Shop (no date)	N/A	Dust collector	N/A	PM	none
WOOD-526	stwood-526	Woodworking Shop (no date)	N/A	Dust collector	N/A	PM	none
WOOD-619	stwood-619	Woodworking Shop (no date)	N/A	Dust collector	N/A	PM	none

*The Size/Rated capacity [and PCD efficiency] is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment, Boilers – (emission unit ID# BOIL-442, BOIL-529A, BOIL-529B and BOIL-529C)

A. Limitations

1. The approved fuels for boilers BOIL-529A, BOIL-529B and BOIL-529C are natural gas and No. 4 fuel oil. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 11 of May 19, 1999 permit)

2. The approved fuel for boiler BOIL-442 is distillate oil. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110)

3. The average sulfur content of the No. 4 fuel oil to be burned in the boilers (#529A, 529B, and 529C) shall not exceed 1.5 percent by weight per shipment.
(9 VAC 5-80-110 and Condition 24 of May 19, 1999 permit.)

4. BOIL-529A shall consume no more than 141 million cubic feet of natural gas and 1,200,000 gallons of No. 4 fuel oil per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110 and Condition 6 of May 19, 1999 permit)

5. BOIL-529B and BOIL-529C, combined, shall consume no more than 282 million cubic feet of natural gas and 2,400,000 gallons of No. 4 fuel oil per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110 and Condition 7 of May 19, 1999 Permit)

6. Emissions from the operation of boiler, BOIL-529A shall not exceed the limits specified below:

Total Suspended Particulate	2.3 lbs/hr	4.4 tons/yr	(9 VAC 5-50-260)
PM-10	2.1 lbs/hr	4.0 tons/yr	(9 VAC 5-50-260)
Sulfur Dioxide	73.4 lbs/hr	135.0 tons/yr	(9 VAC 5-50-260)
Carbon Monoxide	1.6 lbs/hr	5.5 tons/yr	(9 VAC 5-50-260)
Nitrogen Oxides (as NO_2)	6.6 lbs/hr	21.9 tons/yr	(9 VAC 5-50-260)

(9 VAC 5-80-110, and Condition 14 of May 19, 1999 Permit)

7. Emissions from the operation of each boiler, BOIL-529B and 529C shall not exceed the limits specified below:

Total Suspended Particulate	3.5 lbs/hr	4.4 tons/yr	(9 VAC 5-50-260)
PM-10	3.1 lbs/hr	4.0 tons/yr	(9 VAC 5-50-260)
Sulfur Dioxide	110.9 lbs/hr	135.0 tons/yr	(9 VAC 5-50-260)
Nitrogen Oxides (as NO_2)	9.9 lbs/hr	21.9 tons/yr	(9 VAC 5-50-260)

(9 VAC 5-80-110, and Condition 15 of May 19, 1999 permit)

8. Emissions from the operation of the distillate-fired boiler, BOIL-442 shall not exceed the limits specified below:

Total Suspended Particulate	0.6 lbs/mmBtu (1.56 lbs/hour)

(9 VAC 5-80-110 and 9 VAC 5-40-900 (A)(1))

9. Emissions from the operation of the distillate-fired boiler, BOIL-442 shall not exceed the limits specified below:

Sulfur Dioxide	6.9 lbs/hr

(9 VAC 5-80-110 and 9 VAC 5-40-930 (A)(1))

10. Visible Emissions from each of the No. 4 fuel oil and natural gas fired boiler stacks (Ref. Nos. BOIL-529A, BOIL-529B and BOIL-529C) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity. This condition applies at all times except during start-up, shutdown or malfunction.

    (9 VAC 5-40-80, 9 VAC 5-80-110 and Condition 19 of May 19, 1999 permit)

11. Visible Emissions from the distillate oil-fired boiler stack (Ref. No. BOIL-442) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.

    (9 VAC 5-80-110 and 9 VAC 5-40-940 (B))

12. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.

    (9 VAC 5-80-110 and Condition 26 of May 19, 1999 permit)

B. Monitoring

1. The permittee shall perform a monthly visual evaluation on each boiler stack (Ref. Nos. BOIL-442, BOIL-529A, BOIL-529B and BOIL-529C) during normal operations. If such visual observation indicate any visible emissions, the permittee shall take corrective actions to eliminate the visible emissions. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR 60, Appendix A. Method 9 for six minutes. If the six-minute VEE opacity average exceeds 10%, the VEE shall continue for an additional twelve minutes. If any of the six-minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation, to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions.

   (9 VAC 5-80-110 (E))

C. Recordkeeping

1. The average sulfur content of the No. 4 fuel oil to be burned by the boilers (Ref. Nos. BOIL-529A, BOIL-529B and BOIL-529C) shall not exceed 1.5 percent by weight per shipment. The permittee shall obtain a certification from the fuel supplier with each shipment of No. 4 fuel oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier,

   b. The date on which the No. 4 fuel oil was received,

   c. The volume of No. 4 fuel oil delivered in the shipment,

   d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil number 4, and

   e. The maximum sulfur content of the oil in units of percent by weight per shipment.

   (9 VAC 5-80-110 and Condition 24 of May 19, 1999 permit)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the TRO Regional Director. These records shall include, but are not limited to:

   a. The annual throughput of natural gas and No. 4 fuel oil for the boilers. The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.

   b. All fuel supplier certifications for No. 4 fuel oil.

c. All logbooks that describe opacity problems, visible emissions evaluations, if any and subsequent corrective action taken.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 28 of May 19, 1999 permit)

3. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boilers. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site for 5 years and made available for inspection by the DEQ.
(9 VAC 5-80-110 and Condition 27 of May 19, 1999 permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at each boiler stack (Ref. Nos. 529B and BOIL-529C). Test ports at the boiler stacks shall be in accordance with 40 CFR, Part 60, Appendix A, Method 1.
(9 VAC 5-80-110, 9 VAC 5-50-30 and Condition 23 of May 19, 1999 permit)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods in accordance with procedures approved by the DEQ as follows:

The following table is only required for those pollutants that have emission limits.

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Methods 5, 17
Visible Emission	EPA Method 9, 22

(9 VAC 5-80-110)

IV. Generators – (emission unit ID# ICGF-529B, ICGF-355, ICGF-469D and ICGF-469E)

A. Limitations

1. Nitrogen oxide emissions from the diesel peak shaving/emergency generator (Ref. No. ICGF-529B) shall be controlled by retarding the fuel injection timing by four (4) degrees from the standard timing.
   (9 VAC 5-80-110 and Condition 3 of May 19, 1999 permit)

2. The approved fuel for the generator ICGF-529B is distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oils numbers 1 or 2 under the American Society for Testing and Materials. A change in the fuel may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 12 of May 19, 1999 permit)

3. The diesel peak shaving/emergency generator, ICGF-529B shall consume no more than 132,000 gallons of distillate oil per year, calculated monthly as the sum of each consecutive twelve (12) month period.
   (9 VAC 5-80-110 and Condition 8 of May 19, 1999 Permit)

4. Emissions from the operation of the diesel peak shaving/emergency generator, ICGF-529B shall not exceed the limits specified below:

Total Suspended Particulate	3.9 lbs/hr	2.2 tons/yr	(9 VAC 5-50-260)
PM-10	3.9 lbs/hr	2.2 tons/yr	(9 VAC 5-50-260)
Sulfur Dioxide	8.1 lbs/hr	4.6 tons/yr	(9 VAC 5-50-260)
Nitrogen Oxides (as NO_2)	47.9 lbs/hr	27.3 tons/yr	(9 VAC 5-50-260)
Carbon Monoxide	13.6 lbs/hr	7.8 tons/yr	(9 VAC 5-50-260)
Volatile Organic Compounds	3.5 lbs/hr	2.0 tons/yr	(9 VAC 5-50-260)

   (9 VAC 5-80-110, and Condition 16 of May 19, 1999 permit)

5. Visible Emissions from the generator stack (Ref. No. ICGF-529B) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity. This condition applies at all times except during start-up, shutdown, or malfunction.

   (9 VAC 5-50-80, 9 VAC 5-80-110 and Condition 20 of May 19, 1999 permit)

6. Visible Emissions from each diesel generator stack (Ref. Nos. ICGF-355, ICGF-469D and ICGF-469E) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity. This condition applies at all times except during start-up, shutdown or malfunction.

   (9 VAC 5-50-80 and 9 VAC 5-80-110)

7. Generator emissions shall be controlled by proper operation and maintenance. Generator operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.

   (9 VAC 5-80-110 and Condition 16 of May 19, 1999 permit)

B. Monitoring

1. **Periodic Monitoring -** The permittee shall perform annual visual evaluations on each generator (Ref. Nos. ICGF-355, ICGF-469D and ICGF-469E) during normal operations. If such visual observation indicate any visible emissions, the permittee shall take corrective action to eliminate the visible emissions. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR 60, Appendix A. Method 9 for six minutes. If the six-minute VEE opacity average exceeds 10%, the VEE shall continue for an additional twelve minutes. If any of the six-minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation, to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions.
   (9 VAC 5-80-110)

2. **Periodic Monitoring –** The permittee shall perform annual visual evaluations on the generator (Ref. No. ICGF-529B) during normal operations. If such visual observations indicate any visible emissions, the permittee shall take corrective action to eliminate the visible emissions. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR 60, Appendix A. Method 9 for six minutes. If the six-minute VEE opacity average exceeds 10%, the VEE shall continue for an additional twelve minutes. If any of the six-minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation, to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions.
   (9 VAC 5-80-110)

C. Recordkeeping

1. The maximum sulfur content of the distillate oil to be burned by the generator (Ref. No. ICGF-529B) shall not exceed 0.5 percent by weight per shipment. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier,

   b. The date on which the distillate oil was received,

   c. The volume of distillate oil delivered in the shipment,

   d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2, and

   e. All logbooks that describe opacity problems, visible emissions evaluations, if any and subsequent corrective action taken.

   (9 VAC 5-80-110 and Condition 25 of May 19, 1999 permit)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the TRO Regional Director. These records shall include, but are not limited to:

   a. The annual throughput of distillate oil for the generator (Ref. No. ICGF-529B. The annual throughput shall be calculated as the sum of each consecutive twelve-(12) month period.

   b. All fuel supplier certifications for the distillate oil burned in ICGF-529B, only.

   c. Records of the required training for the generator operators, including a statement of the time, place and nature of the training provided. Also, the permittee shall have available good written operating procedures and a maintenance schedule for the generators. These procedures shall be based on the manufacturer's recommendations, at minimum.

   d. Records of all visible emissions observations, including any Method 9 VEE's that are conducted on the generators.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-50-50, 9 VAC 5-80-110 E and Condition 28 of May 19, 1999 permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods in accordance with procedures approved by the DEQ as follows:

The following table is only required for those pollutants that have emission limits.

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Methods 5, 17
Visible Emission	EPA Method 9, 22

(9 VAC 5-80-110)

V. Chemical Cleaning – (emission unit ID# CHMC-GRP1 = CHMC-253, CHMC-305, CHMC-354, CHMC-355, CHMC-355B, CHMC-355C, CHMC-355D, CHMC-355E, CHMC-462, CHMC-526, and CHMC-527)

A. Limitations

1. Vapor control is required for each cold cleaner (Ref. No. CHMC-GRP1) to remove, destroy or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of the 85% vapor control shall be done by the following work practices:

   a. Use of covers or enclosed remote reservoirs;

   b. Drainage equipment to collect and return solvent to a closed container or a solvent cleaning machine;

   c. A permanent label, summarizing the operating procedures in 9 VAC 5-40-3290C (2)(a-c) on or near the cold cleaning units;

d. If used, the solvent spray should be a solid fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

(9 VAC 5-80-110, 9 VAC 5-40-3280 C (1-2) & 9 VAC 5-40-3290 (C) & (D))

2. The following operating procedures are for the cold cleaning units (Ref. No. CHMC-GRP1):

a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate to the atmosphere. Waste solvent shall be stored in containers only.

b. The cold cleaning unit cover should be closed whenever not in use.

c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.

(9 VAC 5-80-110, 9 VAC 5-40-3280 C (1) & (2) and 9 VAC 5-40-3290 C (2) a-c)

3. Disposal of waste solvent from the cold cleaning units shall be done by one of the following methods;

a. Reclamation (either by outside services or in-house)

b. Incineration.

(9 VAC 5-80-110, 9 VAC 5-40-3290 (C) 1&2 and 9 VAC 5-40-3290 (D))

B. Monitoring

1. **Periodic Monitoring -** A visual examination of solvent degreasing units shall be conducted annually for the Chemical Cleaning group (Ref. No. CHMC-GRP1) by the permittee to determine if the units are labeled as required by the regulations and that the required covers are in place. The permittee shall record the details of the visual inspection in a logbook. The logbook shall be kept on site and available for inspection by the DEQ for the most recent five (5) years.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the TRO Regional Director. These records shall include, but are not limited to:

a. Waste solvent disposal amounts, dates and final disposition, whether shipped off-site or destroyed by incineration on-site.

b. All logbooks that describe visual examinations of the solvent degreasing units, including presence of the operating procedures label and covers in place.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 and Rule 4-24)

VI. Fuel Pumps - (emission unit ID# GSTA-575)

A. Limitations

1. Vapor Control is required for each gasoline fuel pumping station (Stage 1) to remove, destroy or to prevent the discharge into the atmosphere of at least 90% by weight of volatile organic compound emissions at the storage tanks during filling operations.
   (9 VAC 5-80-110 and 9 VAC 5-40-5220 (E) and Rule 4-37)

2. Transfer of gasoline for each gasoline fuel pumping station (Ref. No. GSTA-575) shall have a control system consisting of the following:

   a. A submerged fill pipe;

   b. A vapor control system;

   c. A vapor balance system that meets the criteria of 9 VAC 5-50-5230 E (3).

   (9 VAC 5-80-110, 9 VAC 5-40-5220 E (1) and 9 VAC 5-40-5230 E (1)&(2))

B. Monitoring

1. **Periodic Monitoring -** A visual observation of a gasoline delivery with Stage 1 vapor recovery system shall be conducted annually for the Gas Station Fuel Pumps (Ref. No. GSTA-575) by the permittee to determine if the equipment is operating properly. The permittee shall record the details of the visual inspection in a logbook. The logbook shall be kept on site and available for inspection by the DEQ for the most recent five (5) years.
   (9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the TRO Regional Director. These records shall include, but are not limited to all logbooks that describe the annual observation of the gasoline delivery with Stage 1 Vapor Recovery System in operation. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

   (9 VAC 5-50-50 and 9 VAC 5-80-110)

VII. Woodworking – (emission unit ID# WOOD-336, WOOD-526 and WOOD-619)

A. Limitations

1. Particulate emissions shall not be discharged into the atmosphere from each woodworking shop without providing, as a minimum, adequate duct work and properly designed collectors (cyclones) or other such devices, as approved by the board.

   (9 VAC 5-80-110 and 9 VAC 5-40-2270 (A)

2. Particulate emissions from each woodworking shop (Ref. Nos. WOOD-336 WOOD-526 and WOOD-619) shall not exceed 0.05 grains per standard cubic foot of flow.

   (9 VAC 5-80-110 and 9 VAC 5-40-2270 B)

3. Visible emissions from each woodworking stack (Ref. Nos. WOOD-336, WOOD-526 and WOOD-619) shall not exceed twenty (20) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except during one six-minute period in any one hour in which visible emissions shall not exceed sixty (60) percent opacity.

   (9 VAC 5-80-110 and 9 VAC 5-40-80)

B. Monitoring

1. An annual internal inspection shall be conducted on the cyclone for each woodworking shop (Ref. Nos. WOOD-336, WOOD-526 and WOOD-619) by the permittee to ensure structural integrity. Each cyclone shall be maintained and operated according to the manufacturer's recommendations.

   (9 VAC 5-80-110 E)

2. The permittee shall perform an annual visual observation for the exhaust at each woodworking shop (Ref. Nos. WOOD-336, WOOD-526 and WOOD-619) during normal operations. If such periodic visual observations indicate any opacity, the permittee shall take appropriate action to correct the cause of the opacity. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) in accordance with 40 CFR 60, Appendix A, Method 9 for six minutes. If the six minute VEE average exceeds 10% opacity, the VEE shall continue for an additional 12 minutes. If any six minute average during the 18 minutes exceeds 20% opacity, the VEE shall continue for one hour from the start time to show compliance with the opacity limit. Visual observations, Method 9 evaluations and any corrective actions shall be recorded in a logbook.
   (9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Director. These records shall include, but are not limited to:

1. Each annual periodic visual observation check,

2. Annual internal inspections of the cyclones,

3. Any corrective action taken on cyclones or dust collection devices at the woodworking shops,

4. Any Method 9 visible emissions evaluation performed on the exhaust of a cyclone at one of the woodworking shops.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
   (9 VAC 5-40-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9, 22

(9 VAC 5-80-110)

VIII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
BOIL-153	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-187A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-187B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-187C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-194A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-194B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-199A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-199B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-202A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-202B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-205A	boiler	9 VAC 5-80-720C	boiler	natural gas 0.3 to 10 mmBtu/Hour
BOIL-205B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-218A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-218B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-221A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-221B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-225A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-225B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-225C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour

BOIL-226A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-226B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-227	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-228	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-229	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-230	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-231	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-232	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-233	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-234A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-234B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-235A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-235B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-236A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-236B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-237A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-237B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-241	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-305	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-306	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-310A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-310B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-311	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-350	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-354A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-355A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-355B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour

BOIL-358A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-358B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-358C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-420A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-420B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-420C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-430	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-455A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-455B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-455C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-462	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-475	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-502A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-502B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-504A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-504B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-504C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-508A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-508B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-508C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-525A	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-525B	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-525C	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-525D	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-525E	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-543	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour
BOIL-575	boiler	9 VAC 5-80-720C	PM, PM10, CO, NOx, SO2, VOC	natural gas 0.3 to 10 mmBtu/Hour

ENGT-356	dynamometer-testing	9 VAC 5-80-720B	PM, PM10, CO, NOx, SO2, VOC	N/A
FIRI-311A	7-meter room	9 VAC 5-80-720B	Lead, PM, PM10	N/A
FIRI-350	Multi-story trainer	9 VAC 5-80-720B	Lead, PM, PM10	N/A
FIRO-304	Baffle range(no roof)	9 VAC 5-80-720B	Lead, PM, PM10	N/A
FIRO-327	Rifle Range	9 VAC 5-80-720B	Lead, PM, PM10	N/A
FIRO-366	Pistol Range	9 VAC 5-80-720B	Lead, PM, PM10	N/A
ICGF-127B	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-217	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-310	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-329	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-352	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-354	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-358	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-374	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-420A	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-420B	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-470A	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-470B	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-488	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-501	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-527	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-529A	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-542	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-551	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-591	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-612	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
ICGF-617	small generator	9 VAC 5-80-720B	NOx, CO, VOC	N/A
OVNC-354	curing oven	9 VAC 5-80-720B	PM_{10}, NOx, CO, VOC	N/A
PHOT-127A	large developer	9 VAC 5-80-720B	VOC	N/A
PHOT-127B	small developer	9 VAC 5-80-720B	VOC	N/A
PHOT-127D	cleaning process	9 VAC 5-80-720B	VOC	N/A
PHOT-127E	photo preparation	9 VAC 5-80-720B	VOC	N/A
PHOT-355A	large developer	9 VAC 5-80-720B	VOC	N/A
PHOT-355B	small developer	9 VAC 5-80-720B	VOC	N/A
PHOT-355D	cleaning process	9 VAC 5-80-720B	VOC	N/A
PHOT-355E	photo preparation	9 VAC 5-80-720B	VOC	N/A
PNTS-354A	North paint booth	9 VAC 5-80-720B	VOC, PM10	N/A
PNTS-354B	South paint booth	9 VAC 5-80-720B	VOC, PM10	N/A
TNKA-127B	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA-217	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA-352	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA-354	Used Oil tank	9 VAC 5-80-720B	VOC	N/A
TNKA-356	Gasoline (RVP 13) tank	9 VAC 5-80-720B	VOC	N/A
TNKA-374	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA-420	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA-442	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA-462	Used oil tank	9 VAC 5-80-720B	VOC	N/A
TNKA475B	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA488A	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA501	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA527A	Used oil tank	9 VAC 5-80-720B	VOC	N/A
TNKA527B	distillate tank	9 VAC 5-80-720B	VOC	N/A

TNKA529A	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA529B	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA542	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKA611	No. 4 fuel oil	9 VAC 5-80-720B	VOC	N/A
TNKA612	No. 4 fuel oil	9 VAC 5-80-720B	VOC	N/A
TNKU127S	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU311A	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU311B	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU313A	Gasoline (RVP 13) tank	9 VAC 5-80-720B	VOC	N/A
TNKU313B	Gasoline (RVP 13) tank	9 VAC 5-80-720B	VOC	N/A
TNKU313C	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU355	mineral oil	9 VAC 5-80-720B	VOC	N/A
TNKU430	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU469A	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU469B	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU470	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU527A	Gasoline (RVP 13) tank	9 VAC 5-80-720B	VOC	N/A
TNKU527B	distillate tank	9 VAC 5-80-720B	VOC	N/A
TNKU575A	Gasoline (RVP 13) tank	9 VAC 5-80-720B	VOC	N/A
TNKU575B	Gasoline (RVP 13) tank	9 VAC 5-80-720B	VOC	N/A
TNKU575C	Gasoline (RVP 13) tank	9 VAC 5-80-720B	VOC	N/A
WELD305	general welding	9 VAC 5-80-720B	PM10	N/A
WELD336	general welding	9 VAC 5-80-720B	PM10	N/A
WELD355	general welding	9 VAC 5-80-720B	PM10	N/A
WELD462	general welding	9 VAC 5-80-720B	PM10	N/A
WELD526	general welding	9 VAC 5-80-720B	PM10	N/A
WSTL354A	Oil/Water separator	9 VAC 5-80-720B	VOC	N/A
WSTL354B	Oil/Water separator	9 VAC 5-80-720B	VOC	N/A
WSTL355	Oil/Water separator	9 VAC 5-80-720B	VOC	N/A
WSTL462	Oil/Water separator	9 VAC 5-80-720B	VOC	N/A
WSTL527	Oil/Water separator	9 VAC 5-80-720B	VOC	N/A
WSTL529	Oil/Water separator	9 VAC 5-80-720B	VOC	N/A
WSTS-313	Paper shredding	9 VAC 5-80-720B	PM, PM10	N/A
WSTS-420	Paper shredding	9 VAC 5-80-720B	PM, PM10	N/A
WSTS-470A	Paper shredding	9 VAC 5-80-720B	PM, PM10	N/A
WSTS-470B	Paper shredding	9 VAC 5-80-720B	PM, PM10	N/A

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

IX. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements, which have been specifically identified, as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR Part 63 – NESHAPS	National Emission standards for Hazardous Air Pollutants	Dam Neck Annex is not a major source of HAP's.
40 CFR Part 61, Subpart M	Standards for processing, handling or manufacturing of asbestos materials.	Dam Neck is only subject to the regulations dealing with the removal & disposal of asbestos.
40 CFR Part 60, Subpart Dc	Standards of Performance for small industrial/commercial boilers	Boilers 529A, 529B and 529C were installed before eff. date.
VA Rule 4-28 for PNTS-354A & 354B	Emission standards for Automobile and Light Duty Coating Applications	Repair and refinishing only.
VA Rule 4-34 for PNTS-354A & 354B	Miscellaneous metal parts coating	Repair and refinishing only
40 CFR Part 60, Subpart K, Ka, Kb	Standards of Performance for certain Volatile Liquid Storage Tanks; TNKA-611	This tank was installed prior to the effective date of the NSPS.
9 VAC 5-40-5220A, Rule 4-37	Standards of Volatile Organic Compounds. All Storage Tanks, except TNKA-611	This rule only applies to tanks w/ capacity < 40,000 gallons.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

X. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless a timely and complete renewal application consistent, with 9 VAC 5-80-80, has been submitted, to the Department, by the owner, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incidence of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Tidewater Regional Office within four daytime business hours, after a deviation is discovered from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition X.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.
(9 VAC 5-20-80 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(9 VAC 5-80-110 G & L, 9 VAC 5-80-240 and 9 VAC 5-80-260)

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:

   a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is potential of, a resulting emissions increase;

   b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;

   c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase in authorized by an emissions cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;

   d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;

   e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;

   f. Addition of an emissions unit which qualifies as insignificant by emissions rate (9 VAC 5-80-720 B) or by size or production rate (9 VAC 5-80-720 C);

   g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.

   (9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

   (9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.
(9 VAC 5-80-110 I)

XI. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions (Rule 5-2)

2. 9 VAC 5 Chapter 50, Part II, Article 3: Standards of Performance for Toxic Emissions (Rule 5-3)

   (9 VAC 5-80-110 N and 9 VAC 5-80-300)